

LISTING OF THE CLAIMS

The following listing of claims replaces all previous claim listings and versions in the application:

1. (Currently Amended) A method of converting a software program comprising object files for a single processor to a software program for a multiprocessor comprising at least two processors, the method comprising the steps of:

~~allocating a source file compiled from the software program~~ each of the object files to ~~each processor~~ at least one of the at least two processors by an object file unit so that the object files are divided into the same number of groups as the number of the at least two processors;

preparing an executable form program for each processor of the at least two processors so that at a time of program execution each executable form program is running on a single memory space by an operating system ~~software running on a single memory space~~ on the multiprocessor ~~for each processor~~;

exception processing for a refer requester processor of the at least two processors, by detecting an occurrence of a refer request, to variables arranged on a memory space managed by another processor of the at least two processors during running of the executable form program;

sending the refer request to a requested processor of the at least two processors;

returning refer results, by the requested processor referring to the variables, to the refer requester processor; and

emulation-executing by the refer requester processor a variable refer command from the returned refer results to return to the a next command from the exception processing.

2. (Currently Amended) The method of converting the software program for the single processor to the software program for the multiprocessor according to claim 1, further comprising ~~the step of~~:

disposing the executable form program mounted on the memory space to be managed by each processor of the at least two processors in such a manner that addresses are prevented from being duplicated among the processors; and

communicating between the processors of the at least two processors in which communication including processing request transmission and processing result return via the exception processing occurs.

3. (Canceled)

4. (Previously Presented) The method of converting the software program for the single processor to the software program for the multiprocessor according to claim 1 or 2, wherein the refer request is a write request for writing into the variables.

5. (Currently Amended) The method of converting the software program for the single processor to the software program for the multiprocessor according to claim 4, wherein the requested processor returns as write results the returned refer results to the refer request requester processor.

6. (Previously Presented) The method of converting the software program for the single processor to the software program for the multiprocessor according to claim 1 or 2, wherein the refer request is a call request for functions arranged on the memory space managed by the other processor, and the refer requester processor emulation-executes a function call command from the returned refer results.

7. (Canceled)

8. (Previously Presented) A cellular phone in which the software program for the multiprocessor converted by the method according to claim 1 is installed.

9. (Previously Presented) The method of converting the software program for the single processor to the software program for the multiprocessor according to claim 4, further comprising: communicating between the processors in which communication including processing request transmission and processing result return via the exception processing occurs.

10. (Previously Presented) The method of converting the software program for the single processor to the software program for the multiprocessor according to claim 5, further comprising: communicating between the processors in which communication including processing request transmission and processing result return via the exception processing occurs.

11. (Previously Presented) A cellular phone in which the software program for the multiprocessor converted by the method according to claim 2 is installed.

12. (Canceled)

13. (Previously Presented) A cellular phone in which the software program for the multiprocessor converted by the method according to claim 4 is installed.

14. (Previously Presented) A cellular phone in which the software program for the multiprocessor converted by the method according to claim 5 is installed.

15. (Previously Presented) A cellular phone in which the software program for the multiprocessor converted by the method according to claim 6 is installed.